

## RESULTS OF THE 1998 NMFS BERING SEA CRAB SURVEY EXECUTIVE SUMMARY

This section summarizes data presented in the Report to Industry on the 1998 Eastern Bering Sea Trawl Survey. Numbers presented are trawl survey indices of population level and do not necessarily represent absolute abundance. For further information, contact Dr. Bradley G. Stevens or Dr. Robert S. Otto, NMFS, P.O. Box 1638, Kodiak, AK 99615. Phone (907) 481-1700. (GHL = Guideline Harvest Level.)

### Red king crab (*Paralithodes camtschaticus*) Bristol Bay.

Legal males: 7.4 million crabs; 21% decrease.  
Pre-recruits: 16.5 million crabs; 85% increase.  
Large Females: 35.3 million crabs; 42% increase.  
Outlook: Abundance of mature, pre-recruit males has increased due to growth of a recruiting cohort, offsetting the decline of aging legal males. Increased abundance of mature females allows use of a 15% exploitation rate.  
GHL: 16.4 million lbs (7,446 metric tons, mt). Fishery opens November 1.

### Red king crab (*P. camtschaticus*) Pribilof District.

Legal males: 0.4 million crabs; 63% decrease.  
Pre-recruits: 0.5 million crabs; no change.  
Large Females: 1.0 million crabs; no change.  
Outlook: Legal and pre-recruit male crabs are highly concentrated and index has very low precision. Females are poorly estimated. Survey and fishery data indicate a long-term population decline. Red king crab are scarce in the Pribilof Islands and usually harvested incidental to blue king crabs.  
GHL: Fishery combined with blue king crab (see below).

### Pribilof Islands blue king crab (*P. platypus*) Pribilof District.

Legal males: 0.8 million crabs; no change.  
Pre-recruits: 0.4 million crabs; 17% increase.  
Large Females: 2.0 million crabs; 20% decrease.  
Outlook: Population is low and trends are not easily detectable.  
GHL: 1.3 million lbs (590 mt) of red and blue king crabs. Fishery opens September 15.

### St. Matthew blue king crab (*P. platypus*) Northern District.

Legal males: 3.1 million crabs; 21% decrease.  
Pre-recruits: 1.8 million crabs; 21% decrease.  
Large Females: Not well estimated.  
Outlook: Population is above average levels. Annual abundance estimates are affected by the portion of the stock occupying untrawable grounds.  
GHL: 4.1 million lbs (1,861 mt). Fishery opened September 15.

Tanner crab (*Chionoecetes bairdi*) Eastern District.

Legal males: 2.2 million crabs; 36% decrease.  
Pre-recruits: 12.1 million crabs; 22% increase.  
Large Females: 6.5 million crabs; 35% decrease.  
Outlook: Population still declining, but some recruitment is apparent.  
This year's estimates of legal males and large females are the lowest in the history of the survey.  
GHL: Fishery will not open in 1998.

Snow crab (*C. opilio*) All districts combined.

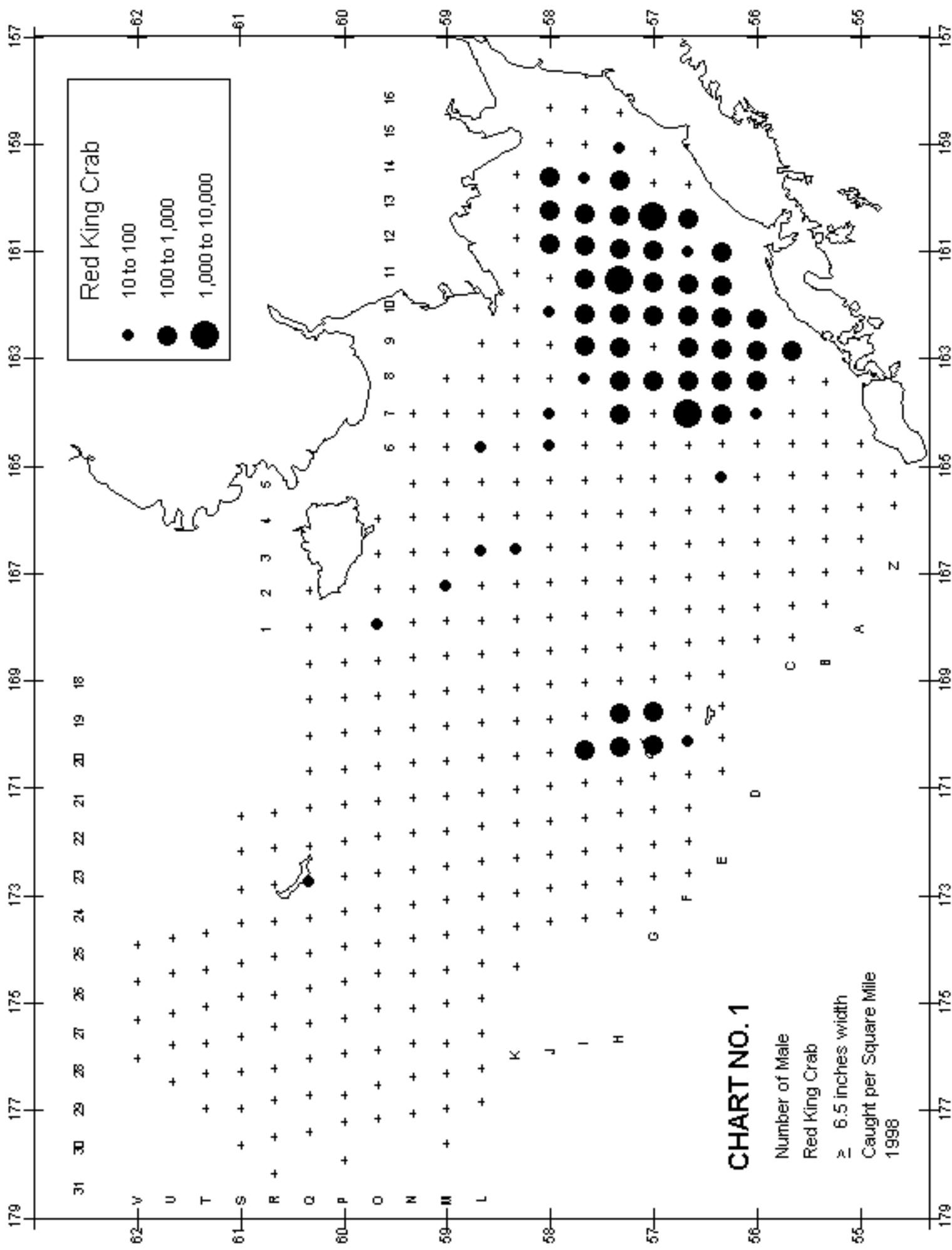
Large males: 255 million crabs; 17% decrease.  
Small males: 1,015 million crabs; 32% decrease.  
Large Females: 1,161 million crabs; 16% decrease.  
Outlook: Abundance of large males has peaked and declined slightly from last year. This population is expected to decline rapidly next year, but continued recruitment of small crab may offset that somewhat.  
GHL: 196.0 million lbs (89,000 mt). Fishery opens January 15, 1999.

Hair crab (*Erimacrus isenbeckii*)

Large males: 2.9 million crabs; 32% decrease.  
Large Females: Not well estimated.  
Outlook: Population is declining and recruitment trends are not apparent.  
GHL: 0.4 million lbs (182 mt) Pribilof District only. Fishery opens November 1.

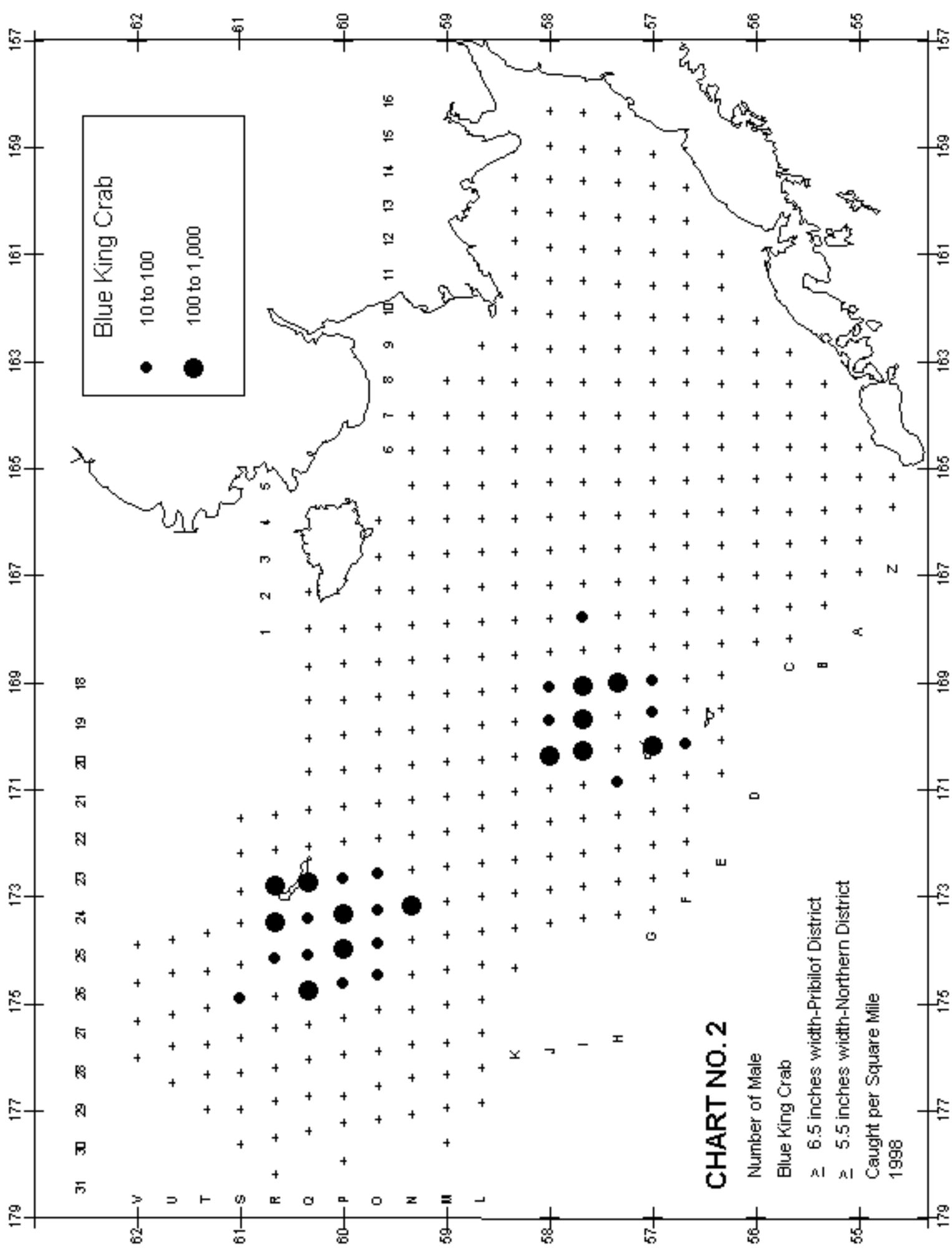
## CHART NO. 1

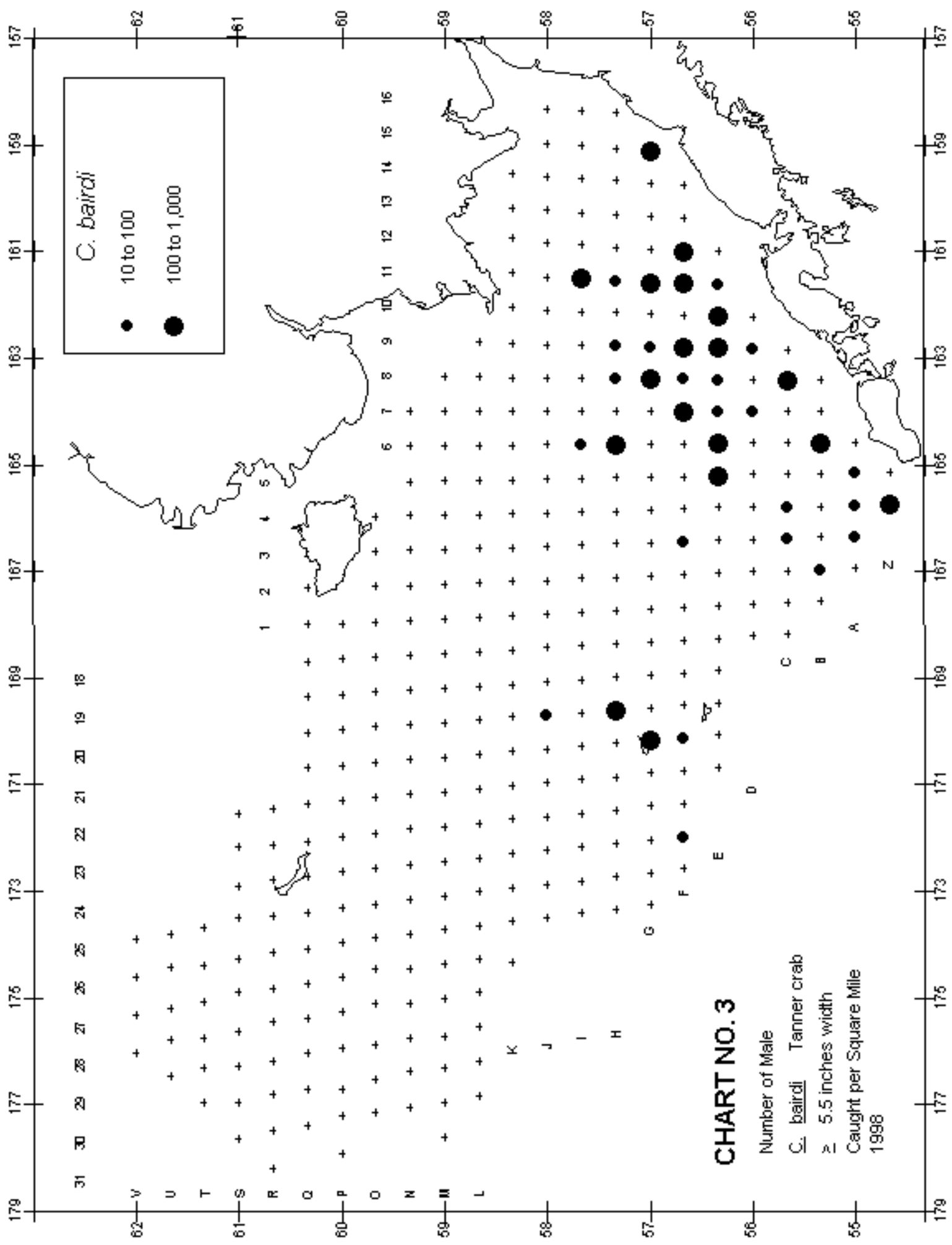
Number of Male  
Red King Crab  
 $\geq$  6.5 inches width  
Caught per Square Mile  
1998



## CHART NO. 2

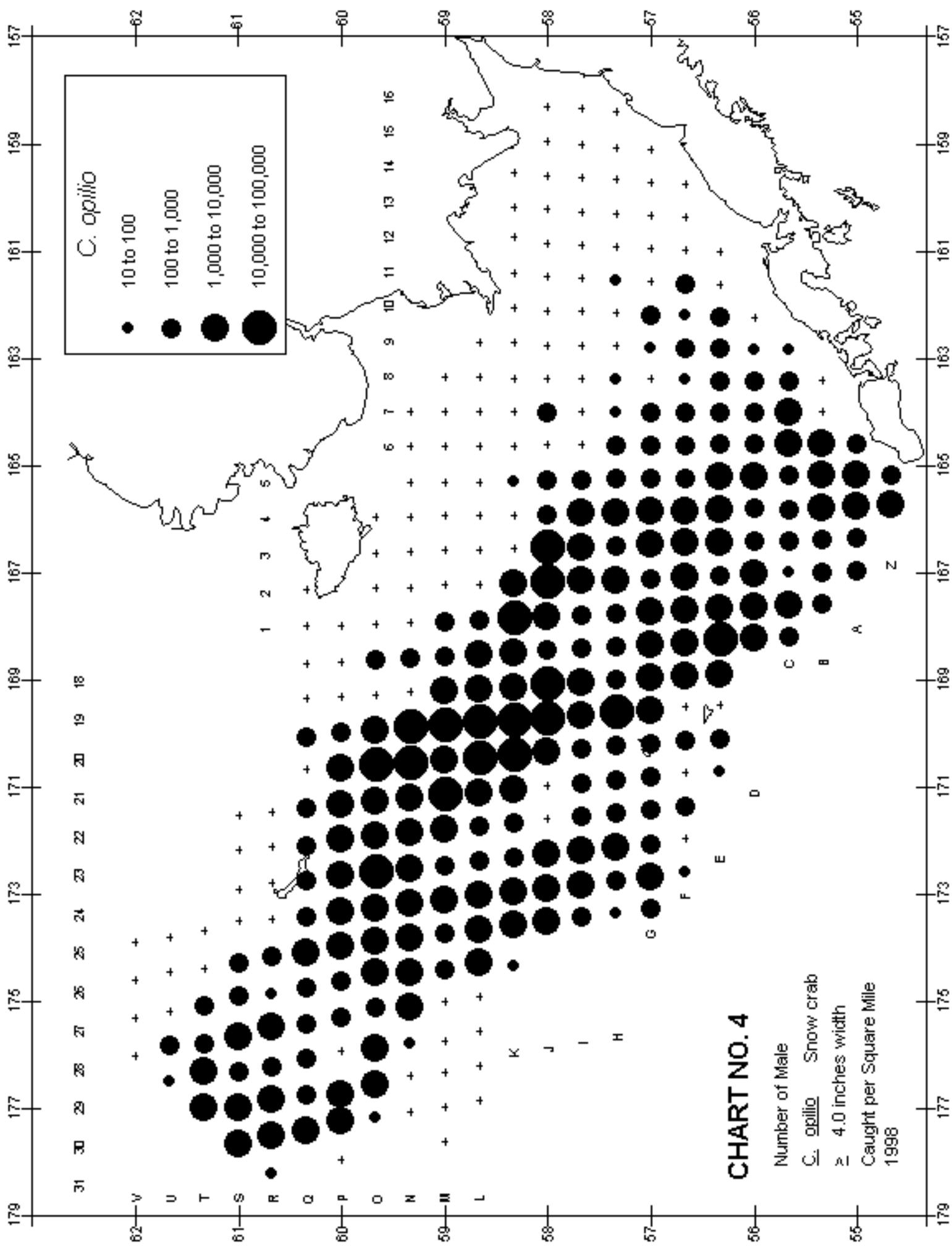
Number of Male  
 Blue King Crab  
 $\geq$  6.5 inches width-Pribilof District  
 $\geq$  5.5 inches width-Northern District  
 Caught per Square Mile  
 1998





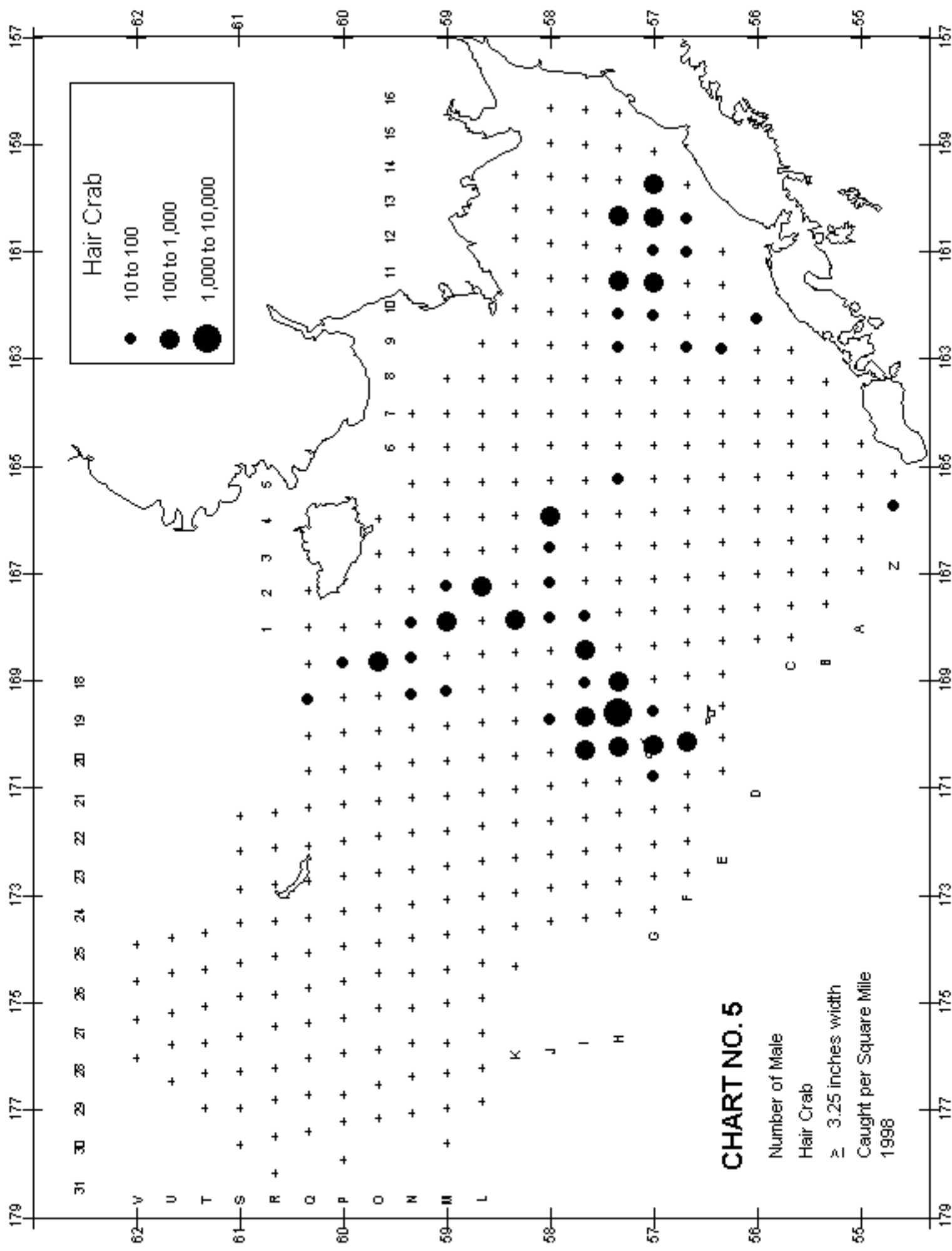
### CHART NO. 4

Number of Male  
*C. opilio* Snow crab  
 $\geq 4.0$  inches width  
 Caught per Square Mile  
 1998



## CHART NO. 5

Number of Male  
 Hair Crab  
 $\geq$  3.25 inches width  
 Caught per Square Mile  
 1998



**Table 7. Summary of crab density by tow (# per square nmi) for Red King Crab, *Paralithodes camtschaticus*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
C09	6/16/98	55 40.5	162 50.6	26	165	0	0	165	0	0	0	165
D07	6/19/98	56 0.1	163 59.0	48	75	0	0	75	0	0	0	75
D08	6/18/98	55 59.9	163 23.6	45	450	1170	0	1620	90	0	90	1710
D09	6/17/98	55 59.7	162 49.0	42	469	938	0	1407	5626	0	5626	7033
D10	6/16/98	55 59.6	162 15.8	37	729	2186	1214	4129	1376	81	1457	5586
E05	6/23/98	56 19.8	165 12.3	38	78	0	0	78	0	0	0	78
E07	6/19/98	56 22.0	163 59.6	45	651	72	0	724	0	0	0	724
E08	6/18/98	56 20.1	163 23.5	45	330	1814	0	2143	824	0	824	2968
E09	6/17/98	56 19.8	162 48.2	41	713	3804	1109	5626	3011	0	3011	8638
E10	6/16/98	56 18.8	162 12.7	39	575	904	164	1643	3286	0	3286	4928
E11	6/12/98	56 20.0	161 37.0	34	395	1106	316	1816	4817	79	4896	6712
E12	6/11/98	56 20.7	160 59.5	27	411	1068	0	1478	82	0	82	1561
F07	6/19/98	56 39.2	163 58.3	40	1505	342	0	1847	0	0	0	1847
F08	6/19/98	56 41.1	163 24.1	39	588	2939	168	3695	0	0	0	3695
F09	6/16/98	56 39.8	162 47.2	38	396	2457	1426	4279	1347	0	1347	5626
F10	6/15/98	56 39.9	162 11.3	33	409	1228	327	1964	1637	0	1637	3601
F11	6/12/98	56 40.3	161 35.0	48	551	1023	315	1889	2046	315	2361	4249
F12	6/12/98	56 40.2	160 59.2	35	84	590	1012	1686	4720	1096	5816	7502
F13	6/11/98	56 39.8	160 22.2	31	230	1920	307	2458	461	0	461	2919
F21	7/6/98	56 49.9	169 54.3	38	71	71	0	142	0	0	0	142
G08	6/19/98	57 0.7	163 23.1	33	164	82	0	246	82	0	82	327
G09	6/16/98	56 59.8	162 47.2	32	0	948	395	1342	711	0	711	2053
G10	6/15/98	56 59.5	162 10.5	32	573	1391	491	2455	1473	82	1555	4010
G11	6/13/98	57 0.2	161 33.9	37	318	716	636	1670	1750	0	1750	3420
G12	6/12/98	56 59.6	160 56.8	35	246	246	1478	1971	6407	739	7146	9117
G13	6/11/98	56 59.8	160 19.8	33	1338	1338	1102	3777	17860	884	18744	22521
G14	6/11/98	56 59.7	159 41.9	28	0	172	687	859	2319	86	2405	3264
G15	6/9/98	57 0.1	159 7.0	16	0	0	0	0	245	0	245	245
G20	7/5/98	57 9.6	169 20.0	37	156	0	0	156	0	0	0	156
G20	7/5/98	56 59.7	169 32.8	31	309	464	155	928	541	0	541	1469
G21	7/5/98	57 8.7	169 51.3	28	496	496	662	1655	3392	83	3475	5130
H07	6/20/98	57 20.1	163 59.1	32	549	235	0	784	0	0	0	784
H08	6/20/98	57 19.9	163 20.8	28	320	80	0	400	0	0	0	400

**Table 7. Summary of crab density by tow (# per square nmi) for Red King Crab, *Paralithodes camtschaticus*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
H09	6/16/98	57 19.9	162 45.5	26	234	4673	467	5373	701	0	701	6074
H10	6/15/98	57 18.8	162 9.2	26	674	590	0	1264	2192	0	2192	3456
H11	6/13/98	57 20.1	161 32.3	29	1291	1210	2420	4921	13229	484	13713	18634
H12	6/12/98	57 20.3	160 56.0	32	412	165	165	742	2308	82	2391	3133
H13	6/10/98	57 19.6	160 18.5	32	229	305	76	610	1450	0	1450	2060
H14	6/10/98	57 20.0	159 42.7	28	165	331	83	579	0	165	165	745
H15	6/9/98	57 20.1	159 3.6	26	79	79	158	316	0	237	237	553
H19	7/7/98	57 20.8	168 59.1	37	0	78	0	78	0	0	0	78
H20	7/11/98	57 19.9	169 36.7	32	312	78	0	389	78	0	78	467
H21	7/11/98	57 19.7	170 12.7	27	158	475	0	634	555	0	555	1189
H22	7/11/98	57 19.2	170 51.3	44	0	0	0	0	77	0	77	77
I07	6/20/98	57 40.0	163 59.3	26	0	0	0	0	78	0	78	78
I08	6/20/98	57 39.5	163 21.9	24	79	0	0	79	0	0	0	79
I09	6/15/98	57 39.8	162 45.2	22	153	77	0	230	77	0	77	306
I10	6/14/98	57 40.1	162 7.6	24	162	162	81	406	406	0	406	812
I11	6/14/98	57 40.0	161 29.7	28	641	2403	1281	4325	3684	240	3925	8250
I12	6/13/98	57 39.9	160 54.2	29	489	815	1794	3099	3262	1305	4566	7665
I13	6/10/98	57 39.9	160 16.5	28	402	322	241	965	402	884	1286	2251
I14	6/10/98	57 39.8	159 39.1	25	79	0	4817	4896	0	4106	4106	9002
I15	6/9/98	57 40.2	159 0.7	25	0	0	156	156	0	0	0	156
I16	6/9/98	57 40.4	158 20.8	18	0	0	0	0	0	97	97	97
I21	7/11/98	57 40.1	170 17.0	38	297	743	0	1040	0	0	0	1040
I21	7/11/98	57 30.1	169 58.1	36	163	82	0	245	82	0	82	326
J06	6/22/98	57 59.7	164 37.9	22	75	0	0	75	0	0	0	75
J07	6/20/98	57 60.0	163 59.6	24	79	0	157	236	0	0	0	236
J10	6/14/98	57 59.6	162 8.7	19	77	77	0	155	77	0	77	232
J11	6/14/98	58 0.1	161 29.4	29	0	493	575	1068	411	164	575	1643
J12	6/13/98	57 59.9	160 50.6	23	319	479	160	958	638	0	638	1596
J13	6/10/98	58 0.8	160 13.9	26	418	167	2845	3430	84	2092	2175	5606
J14	6/10/98	58 0.3	159 37.7	21	166	83	166	415	83	83	166	581
J15	6/9/98	57 60.0	158 57.9	21	0	0	498	498	0	415	415	914
J16	6/9/98	58 0.4	158 18.3	18	0	0	409	409	0	246	246	655
K03	6/29/98	58 20.1	166 32.7	25	78	0	0	78	0	0	0	78

**Table 7. Summary of crab density by tow (# per square nmi) for Red King Crab, *Paralithodes camtschaticus*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
K04	6/29/98	58 19.5	165 55.7	22	0	75	0	75	0	0	0	75
K10	6/14/98	58 18.8	162 2.9	24	0	326	0	326	0	0	0	326
K11	6/14/98	58 12.9	161 33.2	20	0	144	0	144	0	0	0	144
L02	7/1/98	58 40.4	167 13.4	22	0	0	0	0	82	0	82	82
L03	6/29/98	58 40.0	166 33.5	21	80	0	0	80	0	0	0	80
L06	6/22/98	58 40.1	164 39.8	19	80	0	0	80	0	0	0	80
M01	7/1/98	59 0.0	167 53.6	21	0	0	0	0	79	0	79	79
M02	7/1/98	58 60.0	167 15.0	20	82	0	82	164	164	0	164	327
M03	6/30/98	59 0.6	166 34.1	17	0	0	0	0	82	82	164	164
M18	7/8/98	59 0.1	168 32.5	24	0	0	0	0	79	0	79	79
N01	7/1/98	59 20.0	167 55.0	20	0	78	0	78	0	0	0	78
N18	7/8/98	59 19.6	168 34.6	21	0	0	82	82	0	0	0	82
N19	7/8/98	59 20.0	169 14.0	26	0	0	78	78	0	0	0	78
O01	6/30/98	59 40.7	167 57.2	17	80	0	80	160	160	0	160	319
O18	7/8/98	59 39.6	168 37.0	20	0	163	0	163	0	82	82	245
P18	7/9/98	59 59.3	168 39.3	20	0	0	0	0	78	0	78	78
Q24	7/21/98	60 10.2	172 21.1	30	78	0	0	78	0	0	0	78

NOTE: Minimum carapace sizes used are: Large Males > 6.5 in; Medium Males = 5.2 to 6.5 in; Large Females > 4.3 in.

**Table 8A. Summary of crab density by tow (# per square nmi) for Pribilof Blue Kings *Paralithodes platypus*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
F20	7/6/98	56 40.3	169 30.2	41	0	0	0	0	256	0	256	256
F21	7/6/98	56 49.9	169 54.3	38	71	0	0	71	570	0	570	641
G19	7/5/98	57 9.9	168 38.7	39	82	0	0	82	163	0	163	245
G19	7/5/98	56 57.7	168 56.8	42	0	80	0	80	80	0	80	160
G20	7/5/98	57 9.6	169 20.0	37	156	78	78	312	545	0	545	857
G20	7/5/98	56 59.7	169 32.8	31	77	0	77	155	3326	0	3326	3480
G20	7/6/98	56 50.1	169 18.0	43	0	0	0	0	551	0	551	551
G21	7/5/98	57 8.7	169 51.3	28	248	0	83	331	745	0	745	1076
H18	7/7/98	57 19.6	168 21.0	38	0	79	0	79	0	0	0	79
H19	7/7/98	57 29.8	168 44.7	37	234	0	0	234	0	0	0	234
H19	7/7/98	57 20.8	168 59.1	37	78	157	235	471	1098	157	1255	1725
H20	7/11/98	57 19.9	169 36.7	32	0	78	389	467	389	312	701	1168
H22	7/11/98	57 29.5	170 34.9	39	77	0	0	77	0	0	0	77
I01	7/2/98	57 39.8	167 46.3	36	80	0	0	80	0	0	0	80
I19	7/7/98	57 49.8	168 43.7	37	393	0	79	472	79	0	79	551
I19	7/7/98	57 40.2	169 2.5	36	472	79	0	551	79	79	157	708
I20	7/11/98	57 40.1	169 39.3	37	0	0	0	0	0	80	80	80
I20	7/7/98	57 30.2	169 21.9	37	536	230	1684	2450	1072	383	1454	3904
I21	7/11/98	57 40.1	170 17.0	38	371	297	0	668	0	0	0	668
I21	7/11/98	57 30.1	169 58.1	36	163	82	897	1142	326	326	652	1794
J18	7/7/98	58 0.1	168 26.6	35	0	82	0	82	0	0	0	82
J19	7/7/98	58 0.4	169 4.4	37	81	242	81	403	0	0	0	403
J20	7/7/98	57 50.2	169 22.4	34	151	75	0	226	0	0	0	226
J21	7/10/98	57 50.2	169 58.4	37	308	0	0	308	0	0	0	308

NOTE: Minimum carapace sizes used are: Large Males > 6.5 in; Medium Males = 5.2 to 6.5 in; Large Females > 4.3 in.

**Table 8B. Summary of crab density by tow (# per square nmi) for St. Matt. Blue Kings, *Paralithodes platypus*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
N24	7/22/98	59 20.1	172 30.3	46	107	0	0	107	0	0	0	107
N25	7/23/98	59 19.7	173 9.5	53	163	0	0	163	0	0	0	163
N25	7/22/98	59 30.0	172 53.4	49	220	0	0	220	0	0	0	220
O03	6/30/98	59 39.8	166 37.8	14	0	0	76	76	0	0	0	76
O24	7/22/98	59 39.9	172 34.6	44	388	0	0	388	0	0	0	388
O25	7/22/98	59 40.2	173 14.2	50	392	0	0	392	0	0	0	392
O26	7/23/98	59 40.2	173 52.3	56	72	72	216	361	0	0	0	361
O26	7/23/98	59 30.2	173 30.3	55	237	158	0	395	0	0	0	395
O27	7/24/98	59 49.8	174 14.6	57	154	0	0	154	0	0	0	154
P23	7/20/98	59 60.0	171 57.8	35	0	0	81	81	0	0	0	81
P24	7/21/98	60 0.3	172 38.8	34	116	116	0	232	0	0	0	232
P24	7/22/98	59 50.0	172 52.2	42	312	0	78	389	0	0	0	389
P25	7/22/98	59 59.8	173 19.8	39	553	395	158	1106	79	0	79	1185
P26	7/22/98	60 9.5	173 47.0	45	1381	812	569	2762	0	0	0	2762
P26	7/22/98	60 0.0	173 56.4	50	77	0	0	77	0	0	0	77
P26	7/22/98	59 50.2	173 35.4	50	240	0	0	240	0	0	0	240
P27	7/24/98	59 59.8	174 35.7	57	77	0	0	77	0	0	0	77
P27	7/25/98	60 9.8	174 21.1	54	0	79	0	79	0	0	0	79
Q02	6/30/98	60 20.2	167 16.6	16	0	0	0	0	0	150	150	150
Q23	7/20/98	60 19.9	172 4.1	31	233	78	621	931	78	233	310	1242
Q24	7/21/98	60 10.2	172 21.1	30	2025	1480	1090	4595	701	78	779	5373
Q25	7/21/98	60 19.6	173 25.3	33	475	634	1268	2377	475	0	475	2853
Q25	7/21/98	60 10.5	173 0.8	31	155	387	4486	5027	619	1856	2475	7502
Q26	7/21/98	60 20.3	174 4.9	48	160	80	0	240	0	0	0	240
Q27	7/25/98	60 20.0	174 41.3	55	164	0	0	164	0	0	0	164
R24	7/20/98	60 40.5	172 46.5	23	2373	1761	306	4440	0	0	0	4440
R25	7/21/98	60 40.3	173 28.2	35	405	0	81	486	81	162	243	729
R26	7/21/98	60 40.2	174 8.2	45	78	0	0	78	0	0	0	78
S26	7/21/98	60 59.8	174 10.8	43	0	78	78	156	0	0	0	156
S27	7/25/98	61 0.1	174 52.8	49	81	0	0	81	0	0	0	81

NOTE: Minimum carapace sizes used are: Large Males > 5.5 in; Medium Males = 4.3 to 5.5 in; Large Females > 3.8 in.

**Table 9. Summary of crab density by tow (# per square nmi) for Tanner Crab, *Chionoecetes bairdi*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
A02	7/3/98	54 59.4	166 56.8	85	0	177	8826	9002	88	14820	14909	23911
A03	6/27/98	55 0.2	166 20.8	77	79	396	1981	2457	1030	3091	4121	6577
A04	6/27/98	55 0.4	165 45.1	69	82	82	734	897	245	815	1060	1957
A05	6/24/98	54 59.7	165 9.7	57	75	450	750	1275	75	1275	1350	2626
A06	6/24/98	55 1.9	164 36.3	33	0	0	88	88	0	0	0	88
B01	7/3/98	55 19.6	167 33.2	80	0	111	4345	4457	111	6685	6796	11253
B02	7/3/98	55 19.9	166 58.7	74	89	266	975	1329	89	532	620	1949
B03	6/27/98	55 20.3	166 21.5	71	0	617	1542	2158	848	2312	3160	5318
B04	6/27/98	55 19.6	165 46.7	64	0	508	3554	4061	85	4400	4484	8545
B05	6/24/98	55 19.8	165 12.0	58	0	78	391	469	0	391	391	860
B06	6/24/98	55 18.9	164 35.6	54	545	935	545	2025	779	701	1480	3504
B07	6/19/98	55 20.1	164 0.2	40	0	79	555	634	0	317	317	951
B08	6/18/98	55 20.2	163 25.3	27	0	0	1428	1428	0	420	420	1848
C01	7/3/98	55 40.0	167 34.6	72	0	0	721	721	0	240	240	961
C02	7/3/98	55 39.2	166 57.8	71	0	171	86	257	0	171	171	428
C03	6/27/98	55 40.1	166 23.2	67	74	520	2823	3417	223	2154	2377	5794
C04	6/27/98	55 39.5	165 48.5	62	82	739	4928	5750	986	4600	5585	11335
C05	6/24/98	55 40.0	165 12.2	57	0	0	79	79	79	393	472	551
C06	6/24/98	55 38.2	164 34.6	51	0	82	1237	1319	495	1731	2226	3545
C07	6/19/98	55 41.7	164 0.1	50	0	471	2666	3137	157	2666	2823	5960
C08	6/18/98	55 39.6	163 24.9	42	253	843	1433	2529	84	1264	1349	3877
C09	6/16/98	55 40.5	162 50.6	26	0	248	1076	1324	248	331	579	1903
C18	7/3/98	55 40.3	168 10.8	72	0	77	461	538	77	384	461	999
D01	7/3/98	55 59.6	167 36.4	71	0	0	579	579	0	414	414	993
D02	7/3/98	55 58.6	167 1.9	72	0	0	1546	1546	0	859	859	2405
D03	6/28/98	55 59.8	166 23.9	66	0	320	3524	3844	320	2243	2563	6407
D04	6/28/98	56 1.0	165 47.8	56	0	81	403	484	81	565	645	1129
D05	6/23/98	55 59.9	165 11.2	49	0	160	1121	1281	80	320	400	1682
D06	6/23/98	56 0.2	164 33.9	49	0	230	1378	1608	383	1225	1608	3215
D07	6/19/98	56 0.1	163 59.0	48	75	0	2032	2108	0	1505	1505	3613
D08	6/18/98	55 59.9	163 23.6	45	0	90	6662	6752	0	4861	4861	11613
D09	6/17/98	55 59.7	162 49.0	42	78	313	1485	1875	156	234	391	2266
D10	6/16/98	55 59.6	162 15.8	37	0	0	324	324	0	162	162	486

**Table 9. Summary of crab density by tow (# per square nmi) for Tanner Crab, *Chionoecetes bairdi*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
D18	7/3/98	55 59.2	168 12.8	79	0	0	852	852	85	1193	1279	2131
E01	7/2/98	56 20.0	167 38.9	68	0	0	475	475	0	713	713	1189
E02	7/2/98	56 19.2	167 2.4	60	0	170	1953	2123	85	1189	1274	3397
E03	6/28/98	56 20.2	166 24.7	55	0	0	2745	2745	0	1804	1804	4548
E04	6/28/98	56 20.2	165 47.9	48	0	0	2603	2603	0	2297	2297	4899
E05	6/23/98	56 19.8	165 12.3	38	157	706	3372	4235	157	3842	3999	8234
E06	6/23/98	56 18.7	164 36.0	45	336	840	2939	4115	1260	4115	5375	9489
E07	6/19/98	56 22.0	163 59.6	45	72	507	2460	3039	217	1230	1447	4487
E08	6/18/98	56 20.1	163 23.5	45	82	247	412	742	165	165	330	1072
E09	6/17/98	56 19.8	162 48.2	41	158	317	1268	1743	79	396	475	2219
E10	6/16/98	56 18.8	162 12.7	39	246	164	575	986	82	82	164	1150
E11	6/12/98	56 20.0	161 37.0	34	79	0	237	316	79	79	158	474
E12	6/11/98	56 20.7	160 59.5	27	0	164	82	246	82	0	82	329
E18	7/3/98	56 19.0	168 14.3	83	0	935	3271	4205	78	3660	3738	7943
E19	7/6/98	56 19.9	168 52.4	68	0	224	8374	8599	0	10655	10655	19253
E20	7/6/98	56 20.8	169 29.8	74	0	0	162	162	0	324	324	486
E21	7/12/98	56 20.1	170 4.2	57	0	464	2243	2707	232	2243	2475	5182
E22	7/12/98	56 19.7	170 40.7	63	0	559	638	1197	0	718	718	1915
F01	7/2/98	56 39.9	167 41.3	54	0	0	0	0	0	162	162	162
F02	7/2/98	56 40.9	167 4.6	50	0	246	982	1228	246	655	900	2128
F03	6/28/98	56 40.1	166 25.6	45	78	157	1647	1882	235	1176	1412	3294
F04	6/28/98	56 39.1	165 49.1	41	0	383	1761	2143	306	1837	2143	4287
F05	6/23/98	56 39.7	165 13.1	38	0	78	2095	2173	78	1086	1164	3337
F06	6/23/98	56 39.3	164 36.2	39	0	158	1189	1347	79	713	792	2140
F07	6/19/98	56 39.2	163 58.3	40	274	479	1231	1984	821	410	1231	3215
F08	6/19/98	56 41.1	163 24.1	39	84	420	252	756	84	0	84	840
F09	6/16/98	56 39.8	162 47.2	38	317	555	634	1506	238	0	238	1743
F10	6/15/98	56 39.9	162 11.3	33	0	246	491	737	0	0	0	737
F11	6/12/98	56 40.3	161 35.0	48	315	315	79	708	0	0	0	708
F12	6/12/98	56 40.2	160 59.2	35	169	0	0	169	0	84	84	253
F13	6/11/98	56 39.8	160 22.2	31	0	77	77	154	77	154	230	384
F18	7/5/98	56 40.2	168 16.6	56	0	0	79	79	0	0	0	79
F19	7/5/98	56 40.3	168 53.6	54	0	0	740	740	0	423	423	1162

**Table 9. Summary of crab density by tow (# per square nmi) for Tanner Crab, *Chionoecetes bairdi*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
F20	7/6/98	56 40.3	169 30.2	41	0	0	85	85	0	85	85	170
F21	7/12/98	56 40.8	170 8.4	51	0	158	4042	4200	238	2615	2853	7053
F21	7/6/98	56 49.9	169 54.3	38	71	285	214	570	71	71	142	712
F22	7/12/98	56 39.7	170 44.3	60	0	553	632	1185	0	474	474	1658
F23	7/12/98	56 39.6	171 20.9	63	0	77	536	612	0	230	230	842
F24	7/12/98	56 40.2	171 58.4	67	78	78	310	466	0	543	543	1009
F25	7/14/98	56 39.7	172 34.6	73	0	0	561	561	0	240	240	801
G01	7/2/98	56 59.7	167 42.6	40	0	0	2492	2492	0	1713	1713	4205
G02	7/2/98	57 0.2	167 6.2	38	0	0	399	399	0	559	559	958
G03	6/28/98	57 0.2	166 27.6	39	0	152	303	455	0	152	152	606
G04	6/28/98	56 59.7	165 51.8	38	0	0	2483	2483	80	1362	1442	3925
G05	6/23/98	56 59.8	165 12.8	36	0	326	2772	3099	489	652	1142	4240
G06	6/23/98	56 59.9	164 36.3	36	0	251	418	669	84	84	167	837
G07	6/20/98	56 60.0	163 57.8	36	0	860	781	1641	625	234	860	2501
G08	6/19/98	57 0.7	163 23.1	33	164	409	82	655	246	0	246	900
G09	6/16/98	56 59.8	162 47.2	32	79	474	395	948	237	0	237	1185
G10	6/15/98	56 59.5	162 10.5	32	0	409	0	409	0	0	0	409
G11	6/13/98	57 0.2	161 33.9	37	239	0	0	239	0	0	0	239
G13	6/11/98	56 59.8	160 19.8	33	0	79	0	79	0	0	0	79
G14	6/11/98	56 59.7	159 41.9	28	0	86	0	86	0	0	0	86
G15	6/9/98	57 0.1	159 7.0	16	163	0	163	326	82	82	163	489
G18	7/5/98	56 59.7	168 20.2	42	0	0	332	332	0	249	249	581
G19	7/5/98	57 9.9	168 38.7	39	0	0	82	82	0	0	0	82
G19	7/5/98	56 57.7	168 56.8	42	0	160	80	239	0	239	239	479
G19	7/5/98	56 50.3	168 36.7	51	0	80	80	161	80	80	161	322
G20	7/5/98	57 9.6	169 20.0	37	0	0	701	701	0	312	312	1012
G20	7/5/98	56 59.7	169 32.8	31	0	77	3558	3635	77	3016	3094	6729
G20	7/6/98	56 50.1	169 18.0	43	0	157	2125	2282	157	1259	1416	3699
G21	7/5/98	57 8.7	169 51.3	28	0	83	1076	1158	165	496	662	1820
G21	7/5/98	57 0.0	170 9.3	36	236	1889	12512	14637	1408	8603	10011	24648
G22	7/12/98	56 50.2	170 29.0	54	0	162	21522	21684	406	17571	17978	39662
G22	7/11/98	57 7.8	170 32.7	33	0	0	441	441	0	0	0	441
G22	7/12/98	56 59.8	170 46.6	50	0	237	15802	16039	237	12635	12872	28911

**Table 9. Summary of crab density by tow (# per square nmi) for Tanner Crab, *Chionoecetes bairdi*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
G23	7/12/98	57 0.1	171 23.0	58	0	154	2543	2698	77	2235	2312	5010
G24	7/12/98	57 0.3	172 2.3	62	0	0	492	492	0	123	123	615
G25	7/14/98	56 60.0	172 39.5	65	0	234	938	1172	156	703	860	2032
G26	7/14/98	57 0.4	173 14.7	74	0	81	242	323	0	161	161	484
H01	7/2/98	57 19.9	167 44.6	38	0	0	474	474	0	316	316	790
H02	7/2/98	57 20.2	167 6.5	37	0	0	2334	2334	0	1917	1917	4251
H03	6/29/98	57 20.2	166 29.0	37	0	79	396	475	0	396	396	872
H04	6/28/98	57 19.5	165 52.4	36	0	165	1489	1655	0	165	165	1820
H05	6/23/98	57 19.8	165 15.3	34	0	320	721	1041	0	80	80	1121
H06	6/23/98	57 19.7	164 37.2	34	163	571	979	1712	82	326	408	2120
H07	6/20/98	57 20.1	163 59.1	32	0	706	706	1412	78	235	314	1725
H08	6/20/98	57 19.9	163 20.8	28	80	320	400	801	0	80	80	881
H09	6/16/98	57 19.9	162 45.5	26	78	2181	78	2336	78	0	78	2414
H10	6/15/98	57 18.8	162 9.2	26	0	169	0	169	0	0	0	169
H11	6/13/98	57 20.1	161 32.3	29	81	81	0	161	81	0	81	242
H18	7/7/98	57 19.6	168 21.0	38	0	0	0	0	0	79	79	79
H19	7/7/98	57 29.8	168 44.7	37	0	78	156	234	0	0	0	234
H19	7/7/98	57 20.8	168 59.1	37	0	235	235	471	0	0	0	471
H20	7/11/98	57 19.9	169 36.7	32	156	1791	1012	2959	78	156	234	3193
H22	7/11/98	57 29.5	170 34.9	39	0	154	154	307	0	307	307	614
H22	7/11/98	57 19.2	170 51.3	44	0	77	0	77	0	77	77	154
H23	7/13/98	57 20.4	171 28.3	54	0	78	466	543	0	155	155	698
H24	7/13/98	57 19.9	172 5.6	57	0	78	779	857	156	312	467	1324
H25	7/14/98	57 20.6	172 48.9	62	0	0	776	776	78	310	388	1164
H26	7/14/98	57 20.1	173 20.0	63	0	82	737	818	82	246	327	1146
I01	7/2/98	57 39.8	167 46.3	36	0	0	561	561	0	400	400	961
I02	7/2/98	57 38.9	167 8.3	35	0	0	248	248	0	83	83	331
I03	6/29/98	57 40.2	166 30.1	35	0	77	614	691	0	154	154	845
I04	6/29/98	57 40.3	165 54.1	33	0	0	165	165	0	165	165	330
I05	6/22/98	57 39.9	165 15.6	30	0	538	538	1075	384	154	538	1613
I06	6/22/98	57 40.4	164 38.0	27	84	84	418	586	84	0	84	669
I07	6/20/98	57 40.0	163 59.3	26	0	313	625	938	0	0	0	938
I08	6/20/98	57 39.5	163 21.9	24	0	0	79	79	0	0	0	79

**Table 9. Summary of crab density by tow (# per square nmi) for Tanner Crab, *Chionoecetes bairdi*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL	
					Large	Medium	Small	Total	Large	Small	Total		
I11	6/14/98	57 40.0	161	29.7	28	160	160	0	320	0	0	0	320
I12	6/13/98	57 39.9	160	54.2	29	0	163	0	163	0	0	0	163
I18	7/7/98	57 39.8	168	24.8	36	0	0	319	319	0	80	80	399
I19	7/7/98	57 49.8	168	43.7	37	0	0	157	157	0	79	79	236
I19	7/7/98	57 40.2	169	2.5	36	0	0	472	472	0	236	236	708
I20	7/7/98	57 30.2	169	21.9	37	0	0	0	0	0	153	153	153
I21	7/11/98	57 40.1	170	17.0	38	0	0	1263	1263	0	668	668	1931
I21	7/11/98	57 30.1	169	58.1	36	0	0	82	82	0	0	0	82
I22	7/11/98	57 49.8	170	36.3	42	0	80	0	80	0	0	0	80
I22	7/11/98	57 39.9	170	54.1	45	0	0	405	405	81	162	243	648
I23	7/13/98	57 40.3	171	32.2	53	0	74	222	296	0	222	222	518
I24	7/13/98	57 40.0	172	9.7	57	0	0	307	307	0	691	691	999
I25	7/14/98	57 40.0	172	48.5	64	0	0	731	731	0	325	325	1056
I26	7/14/98	57 40.6	173	24.0	78	0	0	1160	1160	77	1083	1160	2320
J02	7/1/98	58 1.1	167	10.5	34	0	0	81	81	0	0	0	81
J03	6/29/98	58 0.2	166	30.7	32	0	309	0	309	77	0	77	387
J04	6/29/98	58 0.2	165	54.8	28	0	0	337	337	0	0	0	337
J05	6/22/98	58 0.0	165	16.1	24	0	0	232	232	0	0	0	232
J06	6/22/98	57 59.7	164	37.9	22	0	75	452	527	0	0	0	527
J07	6/20/98	57 60.0	163	59.6	24	0	157	157	315	0	0	0	315
J18	7/7/98	58 0.1	168	26.6	35	0	0	0	82	0	0	82	82
J19	7/7/98	58 0.4	169	4.4	37	0	81	0	81	0	0	0	81
J20	7/7/98	57 50.2	169	22.4	34	75	75	452	602	0	226	226	828
J21	7/10/98	57 50.2	169	58.4	37	0	154	0	154	0	77	77	231
J21	7/11/98	57 59.9	170	19.7	39	0	0	237	237	0	0	0	237
J23	7/13/98	58 0.3	171	35.5	52	0	0	78	78	0	78	78	157
J24	7/13/98	57 59.7	172	13.7	55	0	0	573	573	0	164	164	737
J25	7/14/98	57 60.0	172	52.9	58	0	80	80	159	0	159	159	318
J26	7/14/98	57 58.8	173	29.0	62	0	0	0	80	239	0	319	319
K02	7/1/98	58 20.1	167	12.9	27	0	85	0	85	0	0	0	85
K03	6/29/98	58 20.1	166	32.7	25	0	0	0	0	78	0	78	78
K18	7/8/98	58 18.8	168	28.2	34	0	0	0	0	76	0	76	76
K21	7/10/98	58 19.9	170	23.2	39	0	0	0	0	78	0	78	78

**Table 9. Summary of crab density by tow (# per square nmi) for Tanner Crab, *Chionoecetes bairdi*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
K23	7/19/98	58 20.0	171 39.3	51	0	0	79	79	0	0	0	79
K25	7/13/98	58 20.2	172 55.4	57	0	70	141	211	0	211	211	422
K26	7/14/98	58 19.3	173 34.1	60	0	159	318	477	477	2227	2704	3181
K27	7/23/98	58 20.8	174 17.9	86	0	0	1122	1122	0	1421	1421	2542
L22	7/19/98	58 39.8	171 5.1	43	0	0	80	80	0	0	0	80
L24	7/23/98	58 39.7	172 21.9	54	0	0	155	155	0	0	0	155
L25	7/23/98	58 40.1	173 0.5	60	0	77	536	612	0	689	689	1301
L26	7/23/98	58 40.0	173 38.1	67	0	152	606	758	0	227	227	985
L27	7/24/98	58 40.4	174 16.5	84	0	0	12721	12721	0	15631	15631	28352
L28	7/24/98	58 44.3	174 58.9	77	0	0	5001	5001	0	7578	7578	12579
L30	7/29/98	58 40.1	176 11.9	75	0	0	768	768	0	1152	1152	1920
L31	7/29/98	58 40.1	176 49.9	72	0	0	151	151	0	151	151	301
M25	7/23/98	59 0.2	173 5.3	56	0	80	718	798	0	319	319	1117
M26	7/24/98	59 0.2	173 42.8	62	0	405	567	971	0	81	81	1052
M27	7/24/98	58 59.9	174 22.0	68	0	0	2297	2297	0	1454	1454	3751
M28	7/24/98	59 0.3	175 0.4	69	0	0	1658	1658	0	1500	1500	3159
M29	7/29/98	59 0.2	175 44.3	73	0	0	1160	1160	0	928	928	2088
M30	7/29/98	59 0.0	176 19.2	73	0	0	1516	1516	0	1836	1836	3352
M31	7/29/98	58 59.9	176 56.6	72	0	0	224	224	0	299	299	523
M32	7/29/98	58 59.5	177 35.3	71	0	160	1201	1362	0	721	721	2082
N24	7/22/98	59 20.1	172 30.3	46	0	0	107	107	0	0	0	107
N27	7/24/98	59 19.9	174 26.4	64	0	79	158	238	0	0	0	238
N28	7/24/98	59 20.1	175 5.8	71	0	0	159	159	0	159	159	317
N29	7/28/98	59 20.1	175 44.8	73	0	0	284	284	0	355	355	639
N30	7/29/98	59 20.0	176 22.3	73	0	82	7392	7475	575	3286	3861	11335
N31	7/29/98	59 19.9	177 3.4	44	0	0	745	745	0	1416	1416	2161
O29	7/28/98	59 40.1	175 51.7	74	0	81	161	242	0	403	403	645
O30	7/28/98	59 40.3	176 31.7	74	0	489	1142	1631	163	163	326	1957
O31	7/28/98	59 40.0	177 8.7	92	0	0	148	148	0	222	222	370
P26	7/22/98	60 0.0	173 56.4	50	0	0	77	77	0	0	0	77
P26	7/22/98	59 50.2	173 35.4	50	0	0	160	160	0	0	0	160
P30	7/28/98	60 0.1	176 42.9	75	0	0	78	78	0	0	0	78
P31	7/28/98	60 0.1	177 13.3	73	0	111	111	223	0	0	0	223

**Table 9. Summary of crab density by tow (# per square nmi) for Tanner Crab, *Chionoecetes bairdi*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
P32	7/28/98	59 59.9	177 56.0	76	0	0	154	154	0	0	0	154
Q02	6/30/98	60 20.2	167 16.6	16	0	0	75	75	0	0	0	75
Q29	7/27/98	60 19.8	176 2.9	65	0	0	0	0	0	82	82	82
Q30	7/27/98	60 20.3	176 43.8	73	0	0	83	83	0	0	0	83
Q31	7/28/98	60 20.2	177 23.6	79	0	0	150	150	0	0	0	150
R32	7/27/98	60 39.9	178 9.5	86	0	76	227	303	0	0	0	303
Z04	6/24/98	54 50.0	165 30.9	80	235	314	3058	3607	0	3921	3921	7528
Z05	6/24/98	54 41.0	165 9.2	44	0	0	266	266	0	177	177	443

NOTE: Minimum carapace sizes used are: Large Males > 5.5 in; Medium Males = 4.3 to 5.5 in; Large Females > 3.4 in.

**Table 10. Summary of crab density by tow (# per square nmi) for Snow Crab, *Chionoecetes opilio*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
A02	7/3/98	54 59.4	166 56.8	85	177	618	618	1412	0	0	0	1412
A03	6/27/98	55 0.2	166 20.8	77	713	713	713	2140	0	0	0	2140
A04	6/27/98	55 0.4	165 45.1	69	2772	734	571	4077	0	0	0	4077
A05	6/24/98	54 59.7	165 9.7	57	7577	2026	2176	11778	0	0	0	11778
A06	6/24/98	55 1.9	164 36.3	33	177	88	265	530	0	0	0	530
B01	7/3/98	55 19.6	167 33.2	80	780	334	223	1337	0	111	111	1448
B02	7/3/98	55 19.9	166 58.7	74	177	177	177	532	0	0	0	532
B03	6/27/98	55 20.3	166 21.5	71	540	771	694	2004	154	77	231	2235
B04	6/27/98	55 19.6	165 46.7	64	1015	338	846	2200	0	0	0	2200
B05	6/24/98	55 19.8	165 12.0	58	1172	78	313	1563	78	0	78	1641
B06	6/24/98	55 18.9	164 35.6	54	3037	2414	1791	7242	857	0	857	8099
B07	6/19/98	55 20.1	164 0.2	40	0	0	79	79	0	0	0	79
B08	6/18/98	55 20.2	163 25.3	27	0	0	420	420	0	0	0	420
C01	7/3/98	55 40.0	167 34.6	72	1041	80	160	1281	0	0	0	1281
C02	7/3/98	55 39.2	166 57.8	71	86	86	86	257	0	0	0	257
C03	6/27/98	55 40.1	166 23.2	67	668	149	520	1337	0	371	371	1708
C04	6/27/98	55 39.5	165 48.5	62	246	411	575	1232	164	0	164	1396
C05	6/24/98	55 40.0	165 12.2	57	708	157	157	1023	0	0	0	1023
C06	6/24/98	55 38.2	164 34.6	51	1072	907	3462	5441	577	0	577	6018
C07	6/19/98	55 41.7	164 0.1	50	1098	1647	2196	4940	0	0	0	4940
C08	6/18/98	55 39.6	163 24.9	42	506	506	759	1770	0	0	0	1770
C09	6/16/98	55 40.5	162 50.6	26	83	331	331	745	0	0	0	745
C18	7/3/98	55 40.3	168 10.8	72	845	77	154	1075	0	0	0	1075
D01	7/3/98	55 59.6	167 36.4	71	1489	745	165	2400	0	0	0	2400
D02	7/3/98	55 58.6	167 1.9	72	1031	86	86	1203	0	0	0	1203
D03	6/28/98	55 59.8	166 23.9	66	801	641	881	2323	80	481	561	2883
D04	6/28/98	56 1.0	165 47.8	56	484	484	484	1452	0	242	242	1694
D05	6/23/98	55 59.9	165 11.2	49	1041	1201	961	3204	160	80	240	3444
D06	6/23/98	56 0.2	164 33.9	49	919	1684	1684	4287	0	0	0	4287
D07	6/19/98	56 0.1	163 59.0	48	602	1054	1882	3538	0	0	0	3538
D08	6/18/98	55 59.9	163 23.6	45	360	2251	6482	9092	0	0	0	9092
D09	6/17/98	55 59.7	162 49.0	42	78	781	703	1563	0	0	0	1563
D10	6/16/98	55 59.6	162 15.8	37	0	81	162	243	0	0	0	243

**Table 10. Summary of crab density by tow (# per square nmi) for Snow Crab, *Chionoecetes opilio*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
D18	7/3/98	55 59.2	168 12.8	79	1620	511	341	2472	0	0	0	2472
E01	7/2/98	56 20.0	167 38.9	68	2219	2060	396	4676	0	0	0	4676
E02	7/2/98	56 19.2	167 2.4	60	594	340	849	1783	170	255	425	2208
E03	6/28/98	56 20.2	166 24.7	55	1098	1098	1804	3999	78	1255	1333	5332
E04	6/28/98	56 20.2	165 47.9	48	1378	766	766	2909	77	230	306	3215
E05	6/23/98	56 19.8	165 12.3	38	1019	627	1255	2901	78	0	78	2980
E06	6/23/98	56 18.7	164 36.0	45	168	756	1176	2099	0	84	84	2183
E07	6/19/98	56 22.0	163 59.6	45	289	1013	2026	3329	0	0	0	3329
E08	6/18/98	56 20.1	163 23.5	45	247	1237	2968	4452	0	82	82	4534
E09	6/17/98	56 19.8	162 48.2	41	317	951	634	1902	0	0	0	1902
E10	6/16/98	56 18.8	162 12.7	39	164	0	411	575	0	0	0	575
E11	6/12/98	56 20.0	161 37.0	34	0	0	79	79	0	0	0	79
E18	7/3/98	56 19.0	168 14.3	83	16970	4285	171	21426	0	0	0	21426
E19	7/6/98	56 19.9	168 52.4	68	2617	4337	1421	8374	374	0	374	8748
E21	7/12/98	56 20.1	170 4.2	57	773	387	155	1315	0	0	0	1315
E22	7/12/98	56 19.7	170 40.7	63	80	0	80	160	0	0	0	160
F01	7/2/98	56 39.9	167 41.3	54	2753	1295	243	4291	0	162	162	4453
F02	7/2/98	56 40.9	167 4.6	50	1228	1391	327	2946	82	0	82	3028
F03	6/28/98	56 40.1	166 25.6	45	1647	1882	1255	4783	0	471	471	5254
F04	6/28/98	56 39.1	165 49.1	41	1684	1301	1608	4593	77	459	536	5129
F05	6/23/98	56 39.7	165 13.1	38	543	1397	1940	3880	0	1630	1630	5510
F06	6/23/98	56 39.3	164 36.2	39	792	1189	2377	4359	0	872	872	5230
F07	6/19/98	56 39.2	163 58.3	40	547	1163	1300	3010	0	0	0	3010
F08	6/19/98	56 41.1	163 24.1	39	84	672	1176	1931	0	0	0	1931
F09	6/16/98	56 39.8	162 47.2	38	238	792	1030	2060	0	0	0	2060
F10	6/15/98	56 39.9	162 11.3	33	82	655	409	1146	0	0	0	1146
F11	6/12/98	56 40.3	161 35.0	48	472	1023	1102	2597	0	0	0	2597
F18	7/5/98	56 40.2	168 16.6	56	4652	25080	1011	30744	790	0	790	31533
F19	7/5/98	56 40.3	168 53.6	54	3300	7183	7183	17666	15750	0	15750	33416
F21	7/12/98	56 40.8	170 8.4	51	317	396	79	792	0	0	0	792
F21	7/6/98	56 49.9	169 54.3	38	285	356	214	855	0	0	0	855
F22	7/12/98	56 39.7	170 44.3	60	0	395	0	395	0	0	0	395
F23	7/12/98	56 39.6	171 20.9	63	306	689	306	1301	153	0	153	1454

**Table 10. Summary of crab density by tow (# per square nmi) for Snow Crab, *Chionoecetes opilio*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL	
					Large	Medium	Small	Total	Large	Small	Total		
F24	7/12/98	56 40.2	171	58.4	67	0	78	0	78	155	0	155	233
F25	7/14/98	56 39.7	172	34.6	73	80	80	80	240	0	0	0	240
G01	7/2/98	56 59.7	167	42.6	40	1558	2570	2492	6619	0	1713	1713	8333
G02	7/2/98	57 0.2	167	6.2	38	399	718	399	1516	0	80	80	1596
G03	6/28/98	57 0.2	166	27.6	39	3637	530	606	4774	0	227	227	5001
G04	6/28/98	56 59.7	165	51.8	38	1041	1121	2323	4485	561	2162	2723	7208
G05	6/23/98	56 59.8	165	12.8	36	408	1060	1549	3017	163	0	163	3180
G06	6/23/98	56 59.9	164	36.3	36	251	837	1171	2259	84	502	586	2845
G07	6/20/98	56 60.0	163	57.8	36	781	1407	2110	4298	0	0	0	4298
G08	6/19/98	57 0.7	163	23.1	33	0	164	164	327	0	0	0	327
G09	6/16/98	56 59.8	162	47.2	32	79	237	395	711	0	0	0	711
G10	6/15/98	56 59.5	162	10.5	32	164	409	409	982	0	0	0	982
G11	6/13/98	57 0.2	161	33.9	37	0	875	239	1113	0	0	0	1113
G18	7/5/98	56 59.7	168	20.2	42	1744	2242	1080	5066	83	0	83	5149
G19	7/5/98	57 9.9	168	38.7	39	979	2120	652	3751	0	0	0	3751
G19	7/5/98	56 57.7	168	56.8	42	1038	5587	718	7342	239	0	239	7582
G19	7/5/98	56 50.3	168	36.7	51	2652	4582	1206	8440	161	0	161	8600
G20	7/5/98	57 9.6	169	20.0	37	1713	3660	2959	8333	6126	278	6405	14737
G20	7/5/98	56 59.7	169	32.8	31	2398	2707	1701	6806	0	0	0	6806
G20	7/6/98	56 50.1	169	18.0	43	944	2597	2676	6217	1102	157	1259	7476
G21	7/5/98	57 8.7	169	51.3	28	83	0	165	248	0	0	0	248
G21	7/5/98	57 0.0	170	9.3	36	157	79	157	393	0	79	79	472
G22	7/12/98	56 50.2	170	29.0	54	325	325	650	1300	0	162	162	1462
G22	7/12/98	56 59.8	170	46.6	50	158	79	79	316	0	0	0	316
G23	7/12/98	57 0.1	171	23.0	58	231	385	0	617	0	0	0	617
G24	7/12/98	57 0.3	172	2.3	62	123	1230	123	1476	0	0	0	1476
G25	7/14/98	56 60.0	172	39.5	65	1407	2032	391	3829	0	0	0	3829
G26	7/14/98	57 0.4	173	14.7	74	484	807	81	1371	0	0	0	1371
H01	7/2/98	57 19.9	167	44.6	38	316	1579	8844	10740	0	10029	10029	20769
H02	7/2/98	57 20.2	167	6.5	37	1417	2584	3084	7085	0	667	667	7752
H03	6/29/98	57 20.2	166	29.0	37	158	872	2140	3170	0	713	713	3883
H04	6/28/98	57 19.5	165	52.4	36	4634	910	2648	8191	331	1407	1738	9929
H05	6/23/98	57 19.8	165	15.3	34	961	961	7449	9371	4227	3945	8172	17543

**Table 10. Summary of crab density by tow (# per square nmi) for Snow Crab, *Chionoecetes opilio*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
H06	6/23/98	57 19.7	164 37.2	34	489	652	4322	5463	1223	2039	3262	8725
H07	6/20/98	57 20.1	163 59.1	32	78	0	392	471	0	0	0	471
H08	6/20/98	57 19.9	163 20.8	28	80	0	0	80	0	0	0	80
H09	6/16/98	57 19.9	162 45.5	26	0	0	78	78	0	0	0	78
H10	6/15/98	57 18.8	162 9.2	26	0	84	0	84	0	0	0	84
H11	6/13/98	57 20.1	161 32.3	29	81	403	81	565	0	0	0	565
H14	6/10/98	57 20.0	159 42.7	28	0	83	0	83	0	0	0	83
H18	7/7/98	57 19.6	168 21.0	38	551	551	630	1731	0	79	79	1810
H19	7/7/98	57 29.8	168 44.7	37	938	3282	6330	10550	0	8752	8752	19302
H19	7/7/98	57 20.8	168 59.1	37	78	0	235	314	0	0	0	314
H20	7/11/98	57 19.9	169 36.7	32	21527	7758	1745	31030	0	0	0	31030
H21	7/11/98	57 19.7	170 12.7	27	158	0	0	158	0	79	79	238
H22	7/11/98	57 29.5	170 34.9	39	768	845	77	1690	0	0	0	1690
H22	7/11/98	57 19.2	170 51.3	44	77	0	77	154	0	0	0	154
H23	7/13/98	57 20.4	171 28.3	54	776	6752	233	7761	698	0	698	8459
H24	7/13/98	57 19.9	172 5.6	57	1168	3660	1012	5841	156	0	156	5996
H25	7/14/98	57 20.6	172 48.9	62	310	388	78	776	0	0	0	776
H26	7/14/98	57 20.1	173 20.0	63	82	327	0	409	0	0	0	409
I01	7/2/98	57 39.8	167 46.3	36	160	160	641	961	0	400	400	1362
I02	7/2/98	57 38.9	167 8.3	35	2482	1241	2565	6288	0	579	579	6868
I03	6/29/98	57 40.2	166 30.1	35	6683	1075	3226	10984	77	154	230	11215
I04	6/29/98	57 40.3	165 54.1	33	4040	1641	10912	16593	2968	1484	4452	21044
I05	6/22/98	57 39.9	165 15.6	30	922	614	3457	4993	0	154	154	5146
I06	6/22/98	57 40.4	164 38.0	27	0	0	167	167	0	0	0	167
I08	6/20/98	57 39.5	163 21.9	24	0	0	79	79	0	0	0	79
I09	6/15/98	57 39.8	162 45.2	22	0	77	0	77	0	0	0	77
I10	6/14/98	57 40.1	162 7.6	24	0	81	0	81	0	0	0	81
I11	6/14/98	57 40.0	161 29.7	28	0	80	0	80	0	0	0	80
I13	6/10/98	57 39.9	160 16.5	28	0	80	0	80	0	0	0	80
I18	7/7/98	57 39.8	168 24.8	36	559	718	1357	2634	0	319	319	2953
I19	7/7/98	57 49.8	168 43.7	37	3069	1889	1102	6059	0	157	157	6217
I19	7/7/98	57 40.2	169 2.5	36	4722	1810	1259	7791	0	787	787	8577
I20	7/11/98	57 40.1	169 39.3	37	11877	6060	727	18664	80	161	241	18905

**Table 10. Summary of crab density by tow (# per square nmi) for Snow Crab, *Chionoecetes opilio*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL	
					Large	Medium	Small	Total	Large	Small	Total		
I20	7/7/98	57 30.2	169	21.9	37	3598	2526	2756	8880	153	0	153	9033
I21	7/11/98	57 40.1	170	17.0	38	594	2377	371	3342	297	0	297	3640
I21	7/11/98	57 30.1	169	58.1	36	979	2936	163	4077	163	0	163	4240
I22	7/11/98	57 49.8	170	36.3	42	241	1045	0	1286	241	0	241	1527
I22	7/11/98	57 39.9	170	54.1	45	891	3076	243	4210	405	0	405	4615
I23	7/13/98	57 40.3	171	32.2	53	444	962	0	1407	74	0	74	1481
I24	7/13/98	57 40.0	172	9.7	57	1075	1306	307	2688	0	0	0	2688
I25	7/14/98	57 40.0	172	48.5	64	1056	2600	406	4062	0	0	0	4062
I26	7/14/98	57 40.6	173	24.0	78	696	851	309	1856	77	0	77	1933
J01	7/1/98	57 59.9	167	47.8	35	3921	627	392	4940	0	0	0	4940
J02	7/1/98	58 1.1	167	10.5	34	17972	1943	2267	22182	81	0	81	22263
J03	6/29/98	58 0.2	166	30.7	32	13534	696	1779	16009	0	0	0	16009
J04	6/29/98	58 0.2	165	54.8	28	169	169	7081	7418	337	2276	2613	10031
J05	6/22/98	58 0.0	165	16.1	24	309	77	77	464	0	0	0	464
J07	6/20/98	57 60.0	163	59.6	24	157	0	0	157	0	0	0	157
J18	7/7/98	58 0.1	168	26.6	35	655	655	818	2128	0	0	0	2128
J19	7/7/98	58 0.4	169	4.4	37	26943	2646	241	29830	0	0	0	29830
J20	7/10/98	58 0.1	169	42.5	37	9743	8253	917	18912	160	0	160	19072
J20	7/7/98	57 50.2	169	22.4	34	18781	9021	1183	28985	0	376	376	29362
J21	7/10/98	57 50.2	169	58.4	37	6243	5010	1310	12563	77	0	77	12640
J21	7/11/98	57 59.9	170	19.7	39	3793	7294	1896	12983	632	316	948	13931
J22	7/13/98	58 0.4	170	58.2	46	0	784	157	941	0	0	0	941
J23	7/13/98	58 0.3	171	35.5	52	0	78	157	235	0	0	0	235
J24	7/13/98	57 59.7	172	13.7	55	1064	1719	246	3028	2619	1146	3765	6793
J25	7/14/98	57 60.0	172	52.9	58	3705	7409	654	11768	159	0	159	11927
J26	7/14/98	57 58.8	173	29.0	62	1038	7103	2953	11093	1516	160	1676	12769
K01	7/1/98	58 18.7	167	50.1	32	15386	3585	3884	22855	77	154	230	23085
K02	7/1/98	58 20.1	167	12.9	27	4823	85	1015	5923	169	0	169	6092
K03	6/29/98	58 20.1	166	32.7	25	0	0	78	78	0	0	0	78
K04	6/29/98	58 19.5	165	55.7	22	0	0	225	225	0	75	75	300
K05	6/22/98	58 19.8	165	17.4	21	76	0	0	76	0	0	0	76
K18	7/8/98	58 18.8	168	28.2	34	8790	3637	3031	15459	303	606	909	16368
K19	7/7/98	58 20.3	169	7.0	36	7502	2373	689	10564	0	0	0	10564

**Table 10. Summary of crab density by tow (# per square nmi) for Snow Crab, *Chionoecetes opilio*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
K20	7/10/98	58 20.1	169 43.7	36	10582	4738	395	15715	158	0	158	15873
K21	7/10/98	58 19.9	170 23.2	39	10287	6969	332	17588	0	0	0	17588
K22	7/13/98	58 20.1	171 0.7	44	9617	3386	406	13410	481	80	561	13970
K23	7/19/98	58 20.0	171 39.3	51	555	2457	634	3645	21220	5035	26255	29900
K24	7/13/98	58 19.8	172 17.6	54	776	6209	2483	9468	128651	81869	210520	219988
K25	7/13/98	58 20.2	172 55.4	57	7407	6854	884	15146	914	1547	2462	17607
K26	7/14/98	58 19.3	173 34.1	60	2227	9305	1193	12724	6706	0	6706	19430
K27	7/23/98	58 20.8	174 17.9	86	75	224	224	523	2318	4262	6580	7103
L01	7/1/98	58 39.9	167 52.8	24	475	0	79	555	0	0	0	555
L18	7/8/98	58 39.7	168 30.0	27	9417	1836	479	11732	160	80	239	11971
L19	7/8/98	58 40.2	169 8.8	33	8561	9417	4280	22258	417	1250	1667	23925
L20	7/10/98	58 40.3	169 47.0	35	19033	7786	0	26819	0	0	0	26819
L21	7/10/98	58 39.3	170 26.5	39	18362	12552	697	31611	0	0	0	31611
L22	7/19/98	58 39.8	171 5.1	43	3736	13609	1601	18946	80	0	80	19025
L23	7/19/98	58 40.3	171 43.9	49	229	1450	534	2212	27901	18833	46734	48947
L24	7/23/98	58 39.7	172 21.9	54	928	2475	1083	4486	13833	294	14128	18613
L25	7/23/98	58 40.1	173 0.5	60	2311	6532	2512	11356	39318	61955	101273	112629
L26	7/23/98	58 40.0	173 38.1	67	2410	11248	5021	18680	508171	325997	834168	852847
L27	7/24/98	58 40.4	174 16.5	84	4349	3526	118	7993	75	75	150	8143
L28	7/24/98	58 44.3	174 58.9	77	0	227	1440	1667	0	2652	2652	4319
L30	7/29/98	58 40.1	176 11.9	75	0	0	2535	2535	0	3764	3764	6299
L31	7/29/98	58 40.1	176 49.9	72	0	0	0	0	0	226	226	226
M01	7/1/98	59 0.0	167 53.6	21	238	79	0	317	0	0	0	317
M18	7/8/98	59 0.1	168 32.5	24	158	158	158	475	0	0	0	475
M19	7/8/98	59 0.3	169 10.7	28	4268	1940	1164	7373	310	155	466	7838
M20	7/10/98	59 0.4	169 50.2	33	17173	18624	1209	37006	0	76	76	37082
M21	7/10/98	58 59.8	170 28.2	37	7996	6964	516	15475	0	0	0	15475
M22	7/19/98	58 59.7	171 8.4	40	14784	22639	2772	40195	464	77	541	40737
M23	7/19/98	59 0.2	171 47.8	46	2166	8663	2939	13767	266046	51163	317208	330976
M24	7/23/98	58 59.9	172 26.1	53	559	1676	160	2394	80	0	80	2474
M25	7/23/98	59 0.2	173 5.3	56	1038	1197	638	2873	3751	1357	5108	7981
M26	7/24/98	59 0.2	173 42.8	62	810	3319	4291	8419	89991	4245	94236	102656
M27	7/24/98	58 59.9	174 22.0	68	306	383	306	995	995	459	1454	2450

**Table 10.** Summary of crab density by tow (# per square nmi) for Snow Crab, *Chionoecetes opilio*.

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
M28	7/24/98	59 0.3	175 0.4	69	0	79	158	237	0	0	0	237
M31	7/29/98	58 59.9	176 56.6	72	0	0	299	299	0	224	224	523
M32	7/29/98	58 59.5	177 35.3	71	0	0	320	320	0	481	481	801
N18	7/8/98	59 19.6	168 34.6	21	165	82	82	330	0	82	82	412
N19	7/8/98	59 20.0	169 14.0	26	0	78	938	1016	0	234	234	1250
N20	7/9/98	59 19.9	169 52.5	32	13402	15165	1411	29978	0	240	240	30218
N21	7/10/98	59 20.1	170 31.8	36	12257	21289	1720	35266	78	0	78	35344
N22	7/19/98	59 19.9	171 11.2	39	6177	28264	3744	38184	1102	0	1102	39286
N23	7/19/98	59 20.4	171 50.1	43	1221	5493	1373	8087	2899	687	3586	11673
N24	7/22/98	59 20.1	172 30.3	46	6966	8574	1393	16933	214	214	429	17362
N25	7/23/98	59 19.7	173 9.5	53	2528	734	652	3914	10193	2990	13183	17097
N25	7/22/98	59 30.0	172 53.4	49	9661	5599	1537	16797	329	220	549	17346
N26	7/23/98	59 19.9	173 47.7	59	1301	2220	1531	5052	37649	15322	52971	58024
N27	7/24/98	59 19.9	174 26.4	64	5432	13174	578	19184	79	79	158	19342
N28	7/24/98	59 20.1	175 5.8	71	4282	8564	2696	15543	9182	501	9683	25225
N29	7/28/98	59 20.1	175 44.8	73	71	0	213	284	639	497	1136	1420
N30	7/29/98	59 20.0	176 22.3	73	0	0	246	246	246	164	411	657
N31	7/29/98	59 19.9	177 3.4	44	0	0	1714	1714	0	1267	1267	2981
O18	7/8/98	59 39.6	168 37.0	20	245	82	0	326	0	0	0	326
O19	7/8/98	59 40.1	169 16.5	25	0	0	78	78	0	78	78	155
O20	7/9/98	59 39.7	169 55.1	30	5786	8188	2183	16158	76	381	458	16615
O21	7/9/98	59 39.8	170 35.3	35	12444	28444	7555	48444	892	0	892	49336
O22	7/19/98	59 40.0	171 14.2	38	4815	17152	4965	26932	2728	152	2880	29811
O23	7/20/98	59 40.1	171 53.8	41	6413	18765	8076	33255	1176	235	1412	34667
O24	7/22/98	59 39.9	172 34.6	44	13369	9804	2897	26069	310	233	543	26612
O25	7/22/98	59 40.2	173 14.2	50	6587	4548	392	11527	0	314	314	11841
O26	7/23/98	59 40.2	173 52.3	56	3390	9450	1010	13850	216	721	938	14788
O26	7/23/98	59 30.2	173 30.3	55	4738	6791	553	12082	79	1421	1500	13583
O27	7/24/98	59 39.8	174 27.1	61	1684	5435	2450	9569	85393	14358	99752	109320
O27	7/24/98	59 49.8	174 14.6	57	614	5530	1997	8142	17402	1130	18532	26674
O28	7/24/98	59 39.2	175 6.9	67	772	7721	7610	16103	254947	267911	522858	538961
O29	7/28/98	59 40.1	175 51.7	74	2501	3791	403	6695	81	161	242	6937
O30	7/28/98	59 40.3	176 31.7	74	1468	1631	979	4077	1142	1712	2854	6931

**Table 10. Summary of crab density by tow (# per square nmi) for Snow Crab, *Chionoecetes opilio*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
O31	7/28/98	59 40.0	177 8.7	92	74	74	1110	1259	222	888	1110	2369
P18	7/9/98	59 59.3	168 39.3	20	0	78	0	78	0	0	0	78
P19	7/8/98	60 0.1	169 19.4	24	0	0	817	817	0	743	743	1560
P20	7/9/98	60 0.4	169 58.5	28	250	1334	417	2001	83	0	83	2084
P21	7/9/98	59 59.9	170 37.6	34	1385	33578	29770	64733	4479	1034	5512	70245
P22	7/20/98	59 60.0	171 17.9	36	1315	13752	8610	23678	2813	0	2813	26491
P23	7/20/98	59 60.0	171 57.8	35	1936	2985	2985	7905	1210	1694	2904	10809
P23	7/22/98	59 50.1	172 15.2	40	7006	13752	5968	26726	3215	1568	4783	31510
P24	7/21/98	60 0.3	172 38.8	34	2088	348	1508	3944	580	1972	2552	6497
P24	7/22/98	59 50.0	172 52.2	42	13223	7970	906	22099	312	78	389	22488
P25	7/22/98	59 59.8	173 19.8	39	2369	2685	1500	6554	553	316	869	7423
P26	7/22/98	60 9.5	173 47.0	45	5699	22798	3257	31754	325	975	1300	33054
P26	7/22/98	60 0.0	173 56.4	50	6316	13816	2566	22698	21554	7034	28588	51286
P26	7/22/98	59 50.2	173 35.4	50	4806	6407	1281	12494	721	2243	2963	15458
P27	7/24/98	59 59.8	174 35.7	57	995	6354	4440	11789	52935	5476	58411	70200
P27	7/25/98	60 9.8	174 21.1	54	553	8686	4975	14214	14813	4074	18887	33101
P28	7/25/98	60 0.1	175 16.3	63	156	4595	10357	15108	133647	106917	240564	255672
P29	7/28/98	59 58.5	175 56.4	69	0	0	0	0	229838	256652	486490	486490
P30	7/28/98	60 0.1	176 42.9	75	2726	4906	6152	13784	155732	120248	275980	289764
P31	7/28/98	60 0.1	177 13.3	73	2005	2228	891	5125	16284	22712	38996	44121
P32	7/28/98	59 59.9	177 56.0	76	0	0	999	999	0	461	461	1459
Q18	7/9/98	60 19.4	168 40.3	19	0	0	327	327	0	327	327	655
Q19	7/9/98	60 19.7	169 18.6	22	0	0	2188	2188	0	860	860	3048
Q20	7/9/98	60 19.7	170 3.2	27	157	2990	1731	4879	79	393	472	5351
Q21	7/9/98	60 20.4	170 39.7	32	0	19176	236504	255680	308102	130351	438452	694132
Q22	7/20/98	60 19.8	171 21.4	34	431	4307	28138	32875	27306	0	27306	60181
Q23	7/20/98	60 19.9	172 4.1	31	854	388	466	1707	155	155	310	2018
Q24	7/21/98	60 10.2	172 21.1	30	779	1558	1713	4050	78	1791	1869	5919
Q25	7/21/98	60 19.6	173 25.3	33	0	634	2377	3011	634	634	1268	4279
Q25	7/21/98	60 10.5	173 0.8	31	155	387	2707	3248	0	4331	4331	7579
Q26	7/21/98	60 20.3	174 4.9	48	2027	17621	10916	30564	961	1842	2803	33367
Q27	7/25/98	60 20.0	174 41.3	55	329	1314	1889	3532	9331	7749	17080	20612
Q28	7/25/98	60 20.2	175 23.8	60	612	4210	5818	10641	37115	58873	95988	106628

Table 10. Summary of crab density by tow (# per square nmi) for Snow Crab, *Chionoecetes opilio*.

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
Q29	7/27/98	60 19.8	176 2.9	65	989	5853	2143	8986	4534	4946	9481	18466
Q30	7/27/98	60 20.3	176 43.8	73	500	1917	3834	6252	26486	99964	126450	132702
Q31	7/28/98	60 20.2	177 23.6	79	18570	11407	1592	31569	150	750	900	32469
R22	7/20/98	60 39.6	171 26.2	33	0	1515	45057	46572	21554	3943	25497	72068
R23	7/20/98	60 40.1	172 7.7	32	0	1353	89305	90658	45781	8079	53860	144519
R24	7/20/98	60 40.5	172 46.5	23	0	0	1225	1225	77	230	306	1531
R25	7/21/98	60 40.3	173 28.2	35	0	12007	84052	96060	52833	2401	55234	151294
R26	7/21/98	60 40.2	174 8.2	45	314	11449	8077	19840	941	471	1412	21251
R27	7/25/98	60 39.8	174 48.6	52	76	2746	2289	5112	2670	2518	5188	10299
R28	7/25/98	60 40.2	175 26.5	57	1742	3630	2686	8059	1815	4864	6679	14738
R29	7/27/98	60 40.2	176 13.0	63	904	4353	2053	7310	329	739	1068	8378
R30	7/27/98	60 39.7	176 47.6	69	1141	3498	3193	7831	10846	9713	20558	28390
R31	7/28/98	60 39.8	177 29.4	78	5327	6393	152	11873	149	894	1043	12916
R32	7/27/98	60 39.9	178 9.5	86	76	76	530	682	303	909	1212	1894
S22	7/20/98	60 59.6	171 29.3	31	0	0	99015	99015	54291	34347	88638	187652
S23	7/20/98	61 0.1	172 9.3	33	0	902	43748	44650	51237	15371	66608	111258
S24	7/21/98	61 0.1	172 49.1	34	0	1822	33885	35707	24432	8907	33339	69046
S25	7/21/98	60 60.0	173 29.3	39	0	2079	66523	68602	41075	4564	45639	114241
S26	7/21/98	60 59.8	174 10.8	43	330	6932	37959	45221	16108	546	16654	61875
S27	7/25/98	61 0.1	174 52.8	49	569	5362	7637	13569	812	1462	2275	15844
S28	7/25/98	60 59.9	175 32.9	54	1630	5743	2018	9390	155	1242	1397	10787
S29	7/27/98	61 0.2	176 17.2	60	674	2782	1517	4973	2782	2529	5310	10284
S30	7/27/98	61 0.0	176 58.6	65	3803	5588	2328	11719	0	1475	1475	13193
S31	7/27/98	60 59.6	177 39.0	72	2393	2916	150	5458	150	374	523	5982
T25	7/26/98	61 19.8	173 35.4	39	0	204	25525	25729	12986	13535	26521	52250
T26	7/25/98	61 19.8	174 21.1	41	0	2941	41829	44770	27202	15693	42895	87664
T27	7/25/98	61 20.5	175 0.9	46	480	7194	26617	34291	11456	4296	15752	50042
T28	7/26/98	61 20.1	175 39.9	53	391	1875	3751	6017	3204	938	4142	10159
T29	7/27/98	61 20.0	176 18.1	56	1114	2971	2748	6833	371	74	446	7279
T30	7/27/98	61 19.9	176 57.8	62	3368	3062	3445	9875	153	4287	4440	14315
U25	7/26/98	61 39.5	173 40.1	37	0	188	45248	45436	9733	34906	44639	90075
U26	7/26/98	61 40.2	174 25.3	40	0	311	38527	38838	23356	27668	51023	89861
U27	7/26/98	61 39.9	175 4.3	45	0	389	10115	10504	5447	1167	6614	17118

**Table 10. Summary of crab density by tow (# per square nmi) for Snow Crab, *Chionoecetes opilio*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
U28	7/26/98	61 41.0	175 48.4	51	417	3473	15699	19588	5974	1250	7224	26813
U29	7/27/98	61 39.9	176 26.0	56	78	4268	3880	8226	1940	1707	3648	11874
V25	7/26/98	61 59.8	173 46.1	33	0	0	173980	173980	12317	144726	157043	331023
V26	7/26/98	62 0.2	174 30.1	39	0	0	73480	73480	35112	35112	70224	143703
V27	7/26/98	62 0.1	175 12.8	43	0	0	43904	43904	8630	16225	24855	68759
V28	7/26/98	62 0.2	175 50.2	49	0	6330	30594	36923	17380	2397	19777	56701
Z04	6/24/98	54 50.0	165 30.9	80	1176	1647	1804	4627	0	0	0	4627
Z05	6/24/98	54 41.0	165 9.2	44	532	886	354	1772	0	0	0	1772

NOTE: Minimum carapace sizes used are: Large Males > 4.0 in; Medium Males = 3.1 to 4.0 in; Large Females > 2.0 in.

**Table 11. Summary of crab density by tow (# per square nmi) for Hair Crab, *Erimacrus isenbeckii*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
A06	6/24/98	55 1.9	164	36.3	33	0	0	0	0	88	88	88
D10	6/16/98	55 59.6	162	15.8	37	81	0	0	81	0	81	162
E09	6/17/98	56 19.8	162	48.2	41	79	0	0	79	0	0	79
F09	6/16/98	56 39.8	162	47.2	38	79	0	0	79	0	0	79
F12	6/12/98	56 40.2	160	59.2	35	84	0	0	84	84	0	169
F13	6/11/98	56 39.8	160	22.2	31	77	0	0	77	154	0	230
F21	7/6/98	56 49.9	169	54.3	38	214	0	0	214	0	0	214
G10	6/15/98	56 59.5	162	10.5	32	82	0	0	82	82	0	164
G11	6/13/98	57 0.2	161	33.9	37	159	0	0	159	239	0	398
G12	6/12/98	56 59.6	160	56.8	35	82	0	0	82	0	0	82
G13	6/11/98	56 59.8	160	19.8	33	787	79	0	866	944	0	1810
G14	6/11/98	56 59.7	159	41.9	28	172	0	0	172	0	0	172
G20	7/5/98	56 59.7	169	32.8	31	155	0	0	155	0	77	232
G20	7/6/98	56 50.1	169	18.0	43	79	0	0	79	0	0	79
G21	7/5/98	57 8.7	169	51.3	28	579	248	0	827	0	0	827
G21	7/5/98	57 0.0	170	9.3	36	79	0	0	79	0	0	79
G22	7/12/98	56 59.8	170	46.6	50	79	0	0	79	0	0	79
H02	7/2/98	57 20.2	167	6.5	37	0	0	0	0	167	0	167
H05	6/23/98	57 19.8	165	15.3	34	80	0	0	80	0	0	80
H09	6/16/98	57 19.9	162	45.5	26	78	0	0	78	78	0	156
H10	6/15/98	57 18.8	162	9.2	26	84	0	0	84	0	0	84
H11	6/13/98	57 20.1	161	32.3	29	161	0	0	161	0	0	161
H12	6/12/98	57 20.3	160	56.0	32	0	0	0	0	82	0	82
H13	6/10/98	57 19.6	160	18.5	32	381	0	0	381	76	0	458
H19	7/7/98	57 29.8	168	44.7	37	234	0	0	234	0	0	234
H19	7/7/98	57 20.8	168	59.1	37	1490	235	0	1725	314	78	392
H20	7/11/98	57 19.9	169	36.7	32	1168	78	0	1246	312	0	312
H21	7/11/98	57 19.7	170	12.7	27	158	0	0	158	0	0	158
I01	7/2/98	57 39.8	167	46.3	36	80	80	0	160	0	80	240
I18	7/7/98	57 39.8	168	24.8	36	160	0	0	160	0	0	160
I19	7/7/98	57 40.2	169	2.5	36	157	0	0	157	79	0	236
I20	7/11/98	57 40.1	169	39.3	37	80	80	0	161	0	161	322
I20	7/7/98	57 30.2	169	21.9	37	919	0	0	919	459	77	1454

**Table 11. Summary of crab density by tow (# per square nmi) for Hair Crab, *Erimacrus isenbeckii*.**

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
I21	7/11/98	57 30.1	169 58.1	36	408	0	0	408	82	0	82	489
J01	7/1/98	57 59.9	167 47.8	35	78	0	0	78	0	0	0	78
J02	7/1/98	58 1.1	167 10.5	34	81	0	0	81	0	0	0	81
J03	6/29/98	58 0.2	166 30.7	32	77	0	0	77	0	0	0	77
J04	6/29/98	58 0.2	165 54.8	28	169	0	0	169	84	0	84	253
J20	7/7/98	57 50.2	169 22.4	34	75	0	0	75	75	0	75	151
K01	7/1/98	58 18.7	167 50.1	32	154	0	0	154	0	0	0	154
K02	7/1/98	58 20.1	167 12.9	27	0	0	0	0	85	0	85	85
K19	7/7/98	58 20.3	169 7.0	36	0	77	0	77	0	0	0	77
L02	7/1/98	58 40.4	167 13.4	22	163	0	0	163	0	0	0	163
L19	7/8/98	58 40.2	169 8.8	33	0	83	0	83	0	0	0	83
M01	7/1/98	59 0.0	167 53.6	21	158	79	0	238	0	0	0	238
M02	7/1/98	58 60.0	167 15.0	20	82	0	0	82	0	0	0	82
M19	7/8/98	59 0.3	169 10.7	28	78	78	0	155	0	0	0	155
N01	7/1/98	59 20.0	167 55.0	20	78	0	0	78	0	0	0	78
N18	7/8/98	59 19.6	168 34.6	21	82	82	0	165	0	165	165	330
N19	7/8/98	59 20.0	169 14.0	26	78	78	0	156	0	0	0	156
O18	7/8/98	59 39.6	168 37.0	20	245	245	0	489	0	82	82	571
P01	6/30/98	60 0.7	167 59.4	12	0	72	0	72	0	0	0	72
P18	7/9/98	59 59.3	168 39.3	20	78	78	0	157	0	0	0	157
Q19	7/9/98	60 19.7	169 18.6	22	78	0	0	78	0	0	0	78
S23	7/20/98	61 0.1	172 9.3	33	0	80	0	80	0	0	0	80
Z04	6/24/98	54 50.0	165 30.9	80	78	0	0	78	0	0	0	78

NOTE: Minimum carapace sizes used are: Large Males > 3.25 in; Medium Males = 2.0 to 3.25 in; Large Females > 2.6 in.